Mountain Weather Forecast

Peak District National Park

Forecast valid from 06:00 on Friday 29 Dec 2023 until 23:59 on Saturday 30 Dec 2023

Forecast Issued on Friday 29 Dec 2023 at 03:59

Confidence: High for unsettled and often windy conditions through this period. Lower for rain or snow details and freezing levels.

Headline for Friday 29 Dec 2023: Cold and windy. Mainly dry morning, showers in afternoon, wintry on the tops.

Mountain weather hazards on Friday 29 Dec 2023

Blizzards No Likelihood	**Heavy persistent snow** No Likelihood	**Storm force winds** No Likelihood
Gales Low Likelihood	**Severe chill effect** Medium Likelihood	**Poor visibility** Low Likelihood
Thunderstorms Low Likelihood	**Heavy persistent rain** No Likelihood	**Strong sunlight** No Likelihood

Weather and chance of precipitation at 600m					
Time					
06:00	09:00	12:00	15:00	18:00	21:00
Dull	Cloudy	Cloudy	Sleet	Heavy snow showers (night)	Light snow showers (night)
Precipitation probability					
30%	30%	30%	60%	70%	70%

Forecast for Friday 29 Dec 2023

Weather: Bright spells during the morning and the odd passing shower, wintry above 600m. Blustery showers will develop more widely through the afternoon and evening, heavy at times with a risk of thunder and hail and falling as sleet or snow above 500m.

Chance of cloud-free hill tops above 600m: 80% in the morning, becoming 40% in afternoon.

Low cloud and visibility: Mainly good visibility in the morning with brief reductions in any showers and summit cloud. Poor at times through the afternoon and evening in wintry showers with patchy cloud and fog above 400m.

Check our weather forecast every day to get the most accurate and up to date information
https://www.metoffice.gov.uk/weather/specialist-forecasts/mountain
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Forecast for Friday 29 Dec 2023

Height (m)	Wind Speed mean/gusts (mph) Wind Direction (blowing from)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	32/40 SW	31/39 SW	30/40 W	25/33 W	24/32 W	23/32 W	22/31 W
300	26/33 SW	23/30 SW	23/33 W	17/25 SW	17/25 W	15/23 W	15/23 SW
Valley	15/33 SW	13/30 SW	16/33 W	12/25 W	12/25 W	10/22 W	10/21 SW

Height (m)	Temperature / Feels Like (°C)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	2/-6	2/-6	2/-5	2/-4	1/-6	0/-7	0/-7
300	5/-1	4/-1	5/-0	5/0	3/-2	3/-2	3/-2
Valley	5/1	5/1	6/2	6/2	4/-0	3/-1	3/-1
Freezing Level*	700m	700m	800m	800m	600m	600m	600m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

A cold day on the tops with strong and gusty winds.

Recent rainfall: measured at Cat & Fiddle: altitude 511m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
03:00 on Fri 29 Dec 2023	2.5mm	22.1mm	25.8mm

Forecast for Saturday 30 Dec 2023

Weather: Wintry showers dying out overnight. A dry start but rain will soon spread in from the southwest in the morning, preceded by sleet or snow above 500m. This turning heavy for a while then clearing east in the early afternoon. A drier period follows, before a squally band of persistently heavy rain moves east early evening with drenching conditions, clearing late evening.

Maximum wind: South or southeast 10-15mph increasing 25 to 35mph gust 50mph, easing slightly in the evening.

Chance of cloud-free hill tops above 600m: 90% early morning but soon becoming 20% or less.

Low cloud and visibility: Good visibility early morning but quickly worsening as rain or snow arrives, becoming poor with extensive cloud above 500m. Cloud lifting and breaking in the afternoon but some patches down to 500m in showers, before lowering more persistently into the early evening with extensive bases to 400-500m.

Temperature: **Valleys:** Plus 1C rising to 8C.
At 600m: Minus 1C rising to Plus 4C in afternoon.
Freezing level: 500m rising above summits by afternoon.

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